



PATENT  
ATTORNEY DOCKET NO.: 56100-5002-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
**BOX CPA**  
Washington, D.C. 20231

PRIOR APPLICATION: Examiner: J. T. Woitach  
Group Art Unit: 1632

**CONTINUED PROSECUTION APPLICATION (CPA)  
REQUEST UNDER 37 C.F.R. § 1.53(d)**

This is a request for filing a ☒ Continuation ☐ Divisional application under the Continued Prosecution Application procedure of 37 C.F.R. § 1.53(d) of prior application no. 09/358,937 filed July 23, 1999 which claims the benefit of U.S. Provisional Application 60/094,008, filed July 24, 1998 for **METHOD FOR MAINTENANCE AND PROPAGATION OF GERMLINE STEM CELLS USING MEMBERS OF THE TGF- $\beta$  FAMILY OF GROWTH FACTORS**, by Allan C. **Spradling et al.**

1. Please change the Attorney Docket No. to 56100-5002-1.
2. ☒ Please enter the amendment previously filed on February 19, 2002 under 37 C.F.R. § 1.116.
3. ☒ A preliminary amendment is enclosed.
4. ☒ The filing fee is calculated on the basis of the claims existing in the prior application as amended at 3 above.

CLAIMS FOR FEE CALCULATION				
	Claims Remaining After Amendment	Highest No. Previously Paid	at Rate of	Basic Fee Utility \$ 740.00 Design \$ 330.00
Total Claims (37 C.F.R. § 1.16(c))	48 =	41	\$ 18.00 each =	+126.00
Independent Claims (37 C.F.R. § 1.16(b))	5 =	5	\$ 84.00 each =	+ .00
Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d))			\$280.00	+
SUB-TOTAL =				\$866.00
Reduction by ½ for filing by a small entity				433.00
TOTAL FILING FEE =				<b>\$433.00</b>

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5. ☒ Small entity status is claimed and  
☒ was filed in the prior nonprovisional application and is still proper and desired.

## 6. Extension of Time

☐ Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

☒ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a)-(d), for the total number of months checked below:

<u>Total Months Requested</u>	<u>Fee for Extension</u>	<u>[Fee for Small Entity]</u>
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 400.00	\$200.00
<input checked="" type="checkbox"/> <b>three months</b>	\$ 920.00	<b>\$460.00</b>
<input type="checkbox"/> four months	\$1,440.00	\$720.00

Extension fee due: \$460.00

An extension for one month has already been secured and the fee paid therefor of \$55.00 is deducted from the total fee due for a three-month extension of \$405.00. The balance of \$405.00 is charged to Deposit Account No. 50-0310.

## 7. Fee Payment

☐ Not Enclosed. NO FEE IS BEING PAID BY CHECK OR DEPOSIT ACCOUNT AT THIS TIME.

This application is being filed under the provisions of 37 C.F.R. § 1.53(f). Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.

☒ Payment Authorization:  
The Commissioner is hereby authorization to charge **\$809.00** to deposit account no. 50-0310 for:

basic filing fee	\$ 370.00
three months extension	
(minus 1 mo. already paid)	405.00
additional claims	<u>34.00</u>

**reduced by 1/2** **\$ 809.00**

8. [X] Please address all correspondence to Morgan, Lewis & Bockius LPL at

1111 Pennsylvania Avenue, NW

Washington, D.C. 20004

Customer Number: 009629

9. [x] The power of attorney in the prior application is to at least one of the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all correspondence shall be addressed to that Customer Number.

[X] Recognize as associate attorney Bonnie Weiss McLeod (43,255)  
(name and reg. no.)

10. [X] EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

11. Additional papers enclosed:

[X] Preliminary Amendment

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

By:

Bonnie Weiss McLeod  
Paul N. Kokulis *Reg. 43,255*  
Reg. No. 16,773

Dated: April 19, 2002

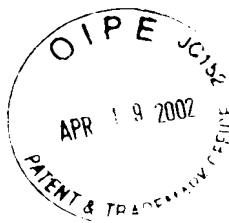
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1111 Pennsylvania Avenue, NW

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202-739-3000

202-739-3001



PATENT  
Attorney Docket 56100-5002-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Allen C. **SPRADLING** *et al.* )  
 )  
Continuing Prosecution of )  
Application No. 09/358,937 ) Prior Group Art Unit: 1632  
 )  
Filed: July 23, 1999 ) Prior Examiner: J. T. Woitach  
 )  
For: **METHOD FOR MAINTENANCE** )  
 **AND PROPAGATION OF** )  
 **GERMLINE STEM CELLS USING** )  
 **MEMBERS OF THE TGF- $\beta$  FAMILY** )  
 **OF GROWTH FACTORS** )

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Preliminary Amendment

This Paper is submitted in response to the Advisory Action dated March 6, 2002.  
This Advisory Action was issued upon review of the After Final Amendment filed on February 19, 2002 which has not yet been entered. The Examiner's comments have been reviewed carefully and the following amendments are offered in response. In addition to entry of the previous Amendment dated February 19, 2002, reconsideration of this application as amended is respectfully requested.

In the claims:

Please enter the following amended claims prior to prosecution:

- C\
- I. (Twice Amended) A method for increasing the abundance of germline stem cells of *Drosophila in vivo* comprising:
- (a) providing a population comprising germline stem cells in a host *Drosophila*; and
  - (b) stimulating signal transduction of a bone morphogenetic protein (BMP) signaling pathway in at least one germline stem cell of said population by providing expression of a nucleic acid encoding Decapentaplegic (Dpp) protein;